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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/615,989	07/10/2003	Eun Gi Son	2729-161	1229

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EXAMINER

DUNWOODY, AARON M

ART UNIT PAPER NUMBER

3679

DATE MAILED: 10/21/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/615,989

Applicant(s)

SON, EUN GI

Examiner

Aaron M Dunwoody

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 July 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,3,6 and 7 is/are rejected.
- 7) ☒ Claim(s) 2,4 and 5 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 July 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Drawings

The drawings were received on 7/30/2004. These drawings are approved.

Claim Rejections - 35 USC § 102

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 3, 6 and 7 are rejected under 35 U.S.C. 102(b) as being anticipated by EP 0861993 A2, Kishibuchi et al.

In regards to claim 1, Kishibuchi et al discloses a power transmission apparatus comprising:

a pulley connected (1) to a driving source for receiving a rotational force;
at least one damper (15) installed on the pulley, the damper, as seen in a direction in which the pulley rotates, having a front surface (15A') and side surfaces (mating with 12B and 13B);

and a cover plate including a hub (7) connecting the pulley and a compressor (not shown but implied), a fixed plate (10) coupled to an upper surface of the hub, and a at least one deformation member (12) positioned on an outer circumferential surface of the fixed plate,

wherein the deformation member comprises a main deformation portion supporting the front surface of the damper and an auxiliary deformation portion supporting at least one of the side surfaces of the damper, and when an overload is applied to the compressor, the deformation member is deformed and a coupling

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relationship with the damper is released so that power transmission from the driving source is cut off.

In regards to claim 3, Kishibuchi et al discloses the deformation member of the cover plate, as seen in the direction in which the pulley rotates, having a front surface and both side surfaces in a direction in which the pulley rotates which are closed and a rear surface and a lower surface which are open, so that the deformation member is coupled to the damper to enclose the damper.

In regards to claim 6, Kishibuchi et al discloses the damper comprising at least one protrusion being formed of an elastic resin member and a fixed portion integrally formed with the pulley and having at least one coupling groove in which the protrusion is inserted and fixed.

In regards to claim 7, Kishibuchi et al discloses the damper comprising a fixed portion integrally formed with the pulley and at least one protrusion being formed of an elastic resin material and molded integrally with the fixed portion.

Allowable Subject Matter

Claims 2, 4 and 5 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

Applicant's arguments filed 7/30/2004 have been fully considered but they are not persuasive. The Applicant argues:

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In the claim rejection under 35 USC j102, the Examiner states that Kishibushi et al. (US 5,683,299 and EP 0,861,993 M) disclose deformation members of the present invention. However, holder member 13 of US 5,683,299 supports only side surfaces, i.e., radially inner and outer surfaces of connection member 7, as seen in a direction in which pulley 1 rotates, and cylindrical wall 12 of EP 0,861,993 A2 supports only side surfaces, i.e., radially outer surfaces of elastic connection member 15 as seen in a direction in which pulley 1 rotates. In contrast, the deformation member of the claimed invention supports a front surface of the damper as seen in a direction in which the pulley rotates. See, also attached Exhibit A.

The Examiner disagrees. EP 0861993 A2 clearly illustrates the at least one damper (15) installed on the pulley, the damper, as seen in a direction in which the pulley rotates, having a front surface (15A') and side surfaces (mating with 12B and 13B). Therefore, EP 0861993 A2 meets the claim limitations.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).


A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Aaron M Dunwoody whose telephone number is 703-306-3436. The examiner can normally be reached on 7:30 am - 4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Daniel P Stodola can be reached on 703-306-5771. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Aaron M Dunwoody
Examiner
Art Unit 3679

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